

(Absence of an entry indicates that no rating is applicable.)

WINDBREAK INTERPRETATIONS

Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
6: Okoboji-----	redosier dogwood	---	black ash, tall purple willow	black willow, golden willow, white willow	---
28: Dickman-----	Siberian peashrub, common lilac	eastern redcedar	Austrian pine, Russian olive, green ash, honeylocust	Siberian elm, eastern white pine, jack pine, red pine	---
28B: Dickman-----	Siberian peashrub, common lilac	eastern redcedar	Austrian pine, Russian olive, green ash, honeylocust	Siberian elm, eastern white pine, jack pine, red pine	---
28D2: Dickman-----	Siberian peashrub, common lilac	eastern redcedar	Austrian pine, Russian olive, green ash, honeylocust	Siberian elm, eastern white pine, jack pine, red pine	---
52B: Bode-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
52C2: Bode-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
52D2: Bode-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
52E2: Bode-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
55: Nicollet-----	---	common lilac, redosier dogwood	eastern arborvitae, white spruce, Amur maple, blue spruce	Austrian pine, eastern white pine, common hackberry, green ash	silver maple
72: Estherville-----	Siberian peashrub, common lilac	eastern redcedar	Russian olive, jack pine, red pine, Austrian pine, Siberian elm, green ash, honeylocust	eastern white pine	---
72B: Estherville-----	Siberian peashrub, common lilac	eastern redcedar	Russian olive, jack pine, red pine, Austrian pine, Siberian elm, green ash, honeylocust	eastern white pine	---
72C2: Estherville-----	Siberian peashrub, common lilac	eastern redcedar	Russian olive, jack pine, red pine, Austrian pine, Siberian elm, green ash, honeylocust	eastern white pine	---
72D2: Estherville-----	Siberian peashrub, common lilac	eastern redcedar	Russian olive, jack pine, red pine, Austrian pine, Siberian elm, green ash, honeylocust	eastern white pine	---
73C2: Salida-----	---	---	---	---	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
90: Okoboji-----	redosier dogwood	---	black ash, tall purple willow	black willow, golden willow, white willow	---
95: Harps-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
107: Webster-----	---	American plum, cotoneaster, redosier dogwood	Amur maple, eastern arborvitae, white spruce, common hackberry, tall purple willow	golden willow	green ash, silver maple, eastern cottonwood
135: Coland-----	---	American plum, cotoneaster, redosier dogwood	Amur maple, eastern arborvitae, white spruce, common hackberry, tall purple willow	golden willow	green ash, silver maple, eastern cottonwood
138B: Clarion-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
138C2: Clarion-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
138D2: Clarion-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---

Windbreaks and Environmental Plantings

FIELD OFFICE TECHNICAL GUIDE Sec. II
WINDBREAK INTERPRETATIONS

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
174: Bolan-----	Russian olive, Siberian peashrub, common lilac	Manchurian crabapple, common hackberry, eastern redcedar	bur oak, green ash, eastern white pine, honeylocust	---	---
174B: Bolan-----	Russian olive, Siberian peashrub, common lilac	Manchurian crabapple, common hackberry, eastern redcedar	bur oak, green ash, eastern white pine, honeylocust	---	---
221: Palms-----	common ninebark, silky dogwood	American cranberrybush, nannyberry	Black Hills spruce, eastern arborvitae, white spruce	Manchurian crabapple, Norway spruce, eastern white pine, green ash	imperial Carolina poplar
224: Linder-----	---	common lilac, redosier dogwood	eastern arborvitae, white spruce, Amur maple, blue spruce	Austrian pine, eastern white pine, common hackberry, green ash	silver maple
236B: Lester-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
236C2: Lester-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
236D2: Lester-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
236F: Lester-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
259: Biscay-----	---	American plum, cotoneaster, redosier dogwood	Amur maple, eastern arborvitae, white spruce, common hackberry, tall purple willow	golden willow	green ash, silver maple, eastern cottonwood
274: Rolfe-----	---	American plum, redosier dogwood	Amur maple, eastern arborvitae, white spruce, common hackberry, tall purple willow	golden willow	green ash, silver maple, eastern cottonwood
288: Ottosen-----	---	common lilac, redosier dogwood	eastern arborvitae, white spruce, Amur maple, blue spruce	Austrian pine, eastern white pine, common hackberry, green ash	silver maple
308: Wadena-----	Siberian peashrub, common lilac	Manchurian crabapple, Russian olive, common hackberry, eastern redcedar	bur oak, green ash, eastern white pine, jack pine	---	---
308B: Wadena-----	Siberian peashrub, common lilac	Manchurian crabapple, Russian olive, common hackberry, eastern redcedar	bur oak, green ash, eastern white pine, jack pine	---	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
335: Harcot-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
348: Fieldon-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
384: Collinwood-----	---	Siberian peashrub, common lilac, cotoneaster, eastern arborvitae, eastern redcedar	bur oak, white spruce, Austrian pine, Russian olive, common hackberry	eastern white pine, green ash	---
384B: Collinwood-----	---	Siberian peashrub, common lilac, cotoneaster, eastern arborvitae, eastern redcedar	bur oak, white spruce, Austrian pine, Russian olive, common hackberry	eastern white pine, green ash	---
388: Kossuth-----	---	American plum, redosier dogwood	Amur maple, eastern arborvitae, white spruce, common hackberry, tall purple willow	golden willow	green ash, silver maple, eastern cottonwood
390: Waldorf-----	---	American plum, redosier dogwood	Amur maple, eastern arborvitae, white spruce, common hackberry, tall purple willow	golden willow	green ash, silver maple, eastern cottonwood

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
485B: Spillville-----	---	common lilac, redosier dogwood	eastern arborvitae, white spruce, Amur maple, blue spruce	Austrian pine, eastern white pine, common hackberry, green ash	silver maple
506: Wacousta-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
507: Canisteo-----	---	Siberian peashrub, common lilac, cotoneaster, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
511: Blue Earth-----	redosier dogwood	---	black ash, tall purple willow	golden willow, white willow	---
524: Linder-----	---	common lilac, redosier dogwood	eastern arborvitae, white spruce, Amur maple, blue spruce	Austrian pine, eastern white pine, common hackberry, green ash	silver maple
562D2: Storden-----	American plum, Siberian peashrub	common hackberry, eastern redcedar	Russian olive, green ash, honeylocust	Siberian elm	---
562E2: Storden-----	American plum, Siberian peashrub	common hackberry, eastern redcedar	Russian olive, green ash, honeylocust	Siberian elm	---
562F2: Storden-----	American plum, Siberian peashrub	common hackberry, eastern redcedar	Russian olive, green ash, honeylocust	Siberian elm	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
621: Houghton-----	gray dogwood, common ninebark, silky dogwood	Amur privet, common lilac, nannyberry	eastern arborvitae	Siberian crabapple, Norway spruce, eastern white pine, green ash	imperial Carolina poplar
640C2: Sunburg-----	American plum, Siberian peashrub, common lilac, honeysuckle, late lilac	common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
640D2: Sunburg-----	American plum, Siberian peashrub, common lilac, honeysuckle, late lilac	common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
640E2: Sunburg-----	American plum, Siberian peashrub, common lilac, honeysuckle, late lilac	common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
640F2: Sunburg-----	American plum, Siberian peashrub, common lilac, honeysuckle, late lilac	common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
641B: Clarion-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
Sunburg----- American plum, Siberian peashrub, common lilac, honeysuckle, late lilac		common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
641C2: Clarion----- ---		Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
Sunburg----- American plum, Siberian peashrub, common lilac, honeysuckle, late lilac		common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
641D2: Clarion----- ---		Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
Sunburg----- American plum, Siberian peashrub, common lilac, honeysuckle, late lilac		common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
641E2: Clarion----- ---		Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
Sunburg----- American plum, Siberian peashrub, common lilac, honeysuckle, late lilac		common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
642D2: Sunburg-----	American plum, Siberian peashrub, common lilac, honeysuckle, late lilac	common hackberry, eastern redcedar	Russian olive, green ash, thornless honeylocust	Siberian elm	---
Salida-----	---	---	---	---	---
654: Corwith-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, white spruce, bur oak, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
655: Crippin-----	---	Siberian peashrub, common lilac, cotoneaster, eastern arborvitae	eastern redcedar, white spruce, bur oak, common hackberry	green ash, honeylocust, golden willow	eastern cottonwood
658: Mayer-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
659: Mayer-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
787B: Vinje-----	gray dogwood, silky dogwood	American plum, redosier dogwood	Amur maple, Russian olive, eastern redcedar	Norway spruce, common hackberry, red pine	silver maple
787C2: Vinje-----	gray dogwood, silky dogwood	American plum, redosier dogwood	Amur maple, Russian olive, eastern redcedar	Norway spruce, common hackberry, red pine	silver maple

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
811: Muskego-----	common ninebark, nannyberry, redosier dogwood, silky dogwood	American cranberrybush, late lilac, eastern arborvitae	white spruce, Japanese tree lilac, Manchurian crabapple	Siberian crabapple	imperial Carolina poplar
823: Ridgeport-----	Siberian peashrub, common lilac	Manchurian crabapple, common hackberry, eastern redcedar	Russian olive, bur oak, green ash, eastern white pine, jack pine, honeylocust	---	---
823B: Ridgeport-----	Siberian peashrub, common lilac	Manchurian crabapple, common hackberry, eastern redcedar	Russian olive, bur oak, green ash, eastern white pine, jack pine, honeylocust	---	---
836B: Kilkenny-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern redcedar, Amur maple, eastern arborvitae, blue spruce	common hackberry, green ash, Austrian pine, eastern white pine	---
836C2: Kilkenny-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern redcedar, Amur maple, eastern arborvitae, blue spruce	common hackberry, green ash, Austrian pine, eastern white pine	---
836E2: Kilkenny-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern redcedar, Amur maple, eastern arborvitae, blue spruce	common hackberry, green ash, Austrian pine, eastern white pine	---
879: Fostoria-----	---	common lilac, redosier dogwood	eastern arborvitae, white spruce, Amur maple, blue spruce	Austrian pine, eastern white pine, common hackberry, green ash	silver maple

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
956: Harps-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
Okoboji-----	redosier dogwood	---	black ash, tall purple willow	black willow, golden willow, white willow	---
1032: Spicer-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
1052B: Bode-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
Kamrar-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
1135: Coland-----	---	American plum, cotoneaster, redosier dogwood	Amur maple, eastern arborvitae, white spruce, common hackberry, tall purple willow	golden willow	green ash, silver maple, eastern cottonwood
1221: Palms-----	---	---	---	---	---
1259: Biscay-----	redosier dogwood	---	black ash, tall purple willow	black willow, golden willow, white willow	---

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Hancock County, Iowa

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
1339: Truman-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
1339B: Truman-----	---	Siberian peashrub, common lilac, gray dogwood, redosier dogwood	eastern arborvitae, eastern redcedar, Amur maple, blue spruce	Russian olive, common hackberry, green ash, eastern white pine	---
1506: Wacousta-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
1507: Brownton-----	honeysuckle	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
1595: Harpster-----	---	Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow	eastern cottonwood
1733: Calco-----	---	Amur honeysuckle, Siberian peashrub, common lilac, eastern arborvitae	eastern redcedar, bur oak, white spruce, common hackberry	green ash, golden willow, honeylocust	eastern cottonwood
2222: Adrian-----	common ninebark, silky dogwood	American cranberrybush, Amur privet, Siberian peashrub, late lilac, nannyberry	Siberian crabapple, eastern arborvitae	green ash, eastern white pine	imperial Carolina poplar

Windbreaks and Environmental Plantings

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	<8	8-15	16-25	26-35	>35
4000: Urban Land-----	---	---	---	---	---
5010: Pits-----	---	---	---	---	---
5040: Orthents-----	---	---	---	---	---
AW: Animal Waste-----	---	---	---	---	---
INT: Intermittent Water-----	---	---	---	---	---
SL: Sewage Lagoon-----	---	---	---	---	---
W: Water-----	---	---	---	---	---